



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

A N
I N D E X
T O T H E
Fifty-Fifth V O L U M E
O F T H E
Philosophical Transactions.

For the Y E A R 1765.

A.

AIR, various observations concerning it, page 149.
182, &c. does not become less elastic by passing
through the lungs of an animal, 173.

Alcyonium, see *Sponges*.

Astronomical observations, made at Vienna by Father
Joseph Liesganig, p. 130.

Atmosphere, several Phænomena of it accounted for,
p. 160.

B.

Balance, of a new construction, for weighing, proposed,
p. 205.

Vol. LV.

Y y

Baro-

I N D E X.

- Barometer*, a portable one described, p. 83.
Bevis, Dr. John, his letter containing astronomical observations made at Vienna, p. 150.
Blood, human, microscopical observations on it, p. 252.
Brownrigg, Dr. his experimental enquiry into the mineral elastic spirit, or air, contained in Spa water, p. 218.

C.

- Colebrook*, Mr. Josiah, his account of the sequel of the case of Ann James, who had taken the green hemlock, p. 271.
Colours, the different ones, in natural bodies, arise from the different density of their component particles, p. 11. Experiments on the several metallic bodies, what colour each produces when separated from their sulphur, and melted and united with glass, 13. Of their colour under other preparations, 28. Conjecture about the cause of the green colour of vegetables, 36.
Comet, (the famous one of 1682) its return predicted by Dr. Halley at the end of 1758, or beginning of next year, p. 295. Reasons of the difficulty in ascertaining the time precisely, *ibid.* Endeavours of Mr. *Clairaut* on this subject, 296. Observations on the several appearances of this comet, from January 21, to June 3, 1759, and on its comparative position to other stars, 298, &c.
Copper, its colour when mixed with glass, &c. p. 20, 32.
Cork, Experiments of its specifick buoyancy in different waters, p. 95. Of the quantity necessary to sustain a man in the water, p. 103.

D.

- Decrease* of Heat, in proportion to the height of situation, p. 126.

Delaval,

I N D E X.

Delaval, Edward, esquire, his experiments and observations on the agreement between the specific gravities of the several metals, and their colours when united to glafs, p. 10.

Dollond, Mr. Peter, see *Telescopes*.

E.

Earth-quake, that at Lisbon, December 26, 1764, p. 43.

A method to know the strength and direction of it, 44.

Edwards, Mr. his description of a beautiful Chinese pheasant, p. 88.

Ellis, John, esquire, his letter on the nature and formation of sponges, p. 280.

Ergot, see *Rye*.

Evaporation, Differtation on the nature of it, p. 146.

Performed by solution, 149. This principle accounts for several phænomena of the atmosphere, 160. Of respiration, 172. Of fire, 174.

Exhalations, the knowledge of them applied to mineral waters, p. 236.

F.

Ferguson, James, his methods to find the quantity of time, in any given number of mean lunations; the number of troy pounds in any given number of avoirdupoise pounds, &c. p. 61.

Fire, how fed by air, p. 174.

Franklin, Benjamin, L L. D. his physical and meteorological observations, chiefly concerning air, p. 182.

G.

Gale, Dr. Benjamin, his memoirs concerning the practice of inoculation for the small-pox, in the British American provinces, p. 193. His letter concerning the successful application of salt to wounds made by the biting of rattle-snakes, p. 244.

I N D E X.

Gold, its colour when mixed with glass, &c. p. 14, 28.
Griffith, Mr. of Pembroke College, Oxford, his account
 of the effects of a storm of thunder and lightning there,
 p. 273.

H.

Hadley's quadrant recommended for surveying harbours,
 and in some cases of pilotage, p. 70.
Halley, Dr. his remarks about fixing the return of some
 comets, p. 295. Concerning the use of parallaxes in
 observing the transits of planets, p. 340.
Hamilton, Hugh, D. D. his dissertation on the nature of
 evaporation, &c. p. 146.
Heat, in what proportion decreased by the height of
 situation, p. 126.
Heberden, Dr. William, his account of a salt found at the
 Pic of Teneriffe, p. 57. Of a stone voided without
 help from the bladder of a woman at Bury, 128.
Heberden, Dr. Thomas, his observations for settling the
 proportion, which the decrease of heat bears to the
 height of situation, p. 126.
Hemlock, green, sequel of the case of a person who had
 taken it, p. 271.
Hope, Dr. John, his letter concerning the rhubarb root
 raised in Scotland, p. 290.
Hornby, Rev. Mr. his account of the transit of Venus,
 1769, p. 326.
Humber, pilotage of the mouth of it, how might be assist-
 ed, p. 74.
Hydrophobia, case of a supposed one, falsely said to be
 cured by vinegar, p. 139.

I.

Jaw locked, such a case, p. 85. Owing to a wound in
 the foot, 86. Observations on the nervous system,
 87.

Inoculation,

I N D E X.

Inoculation for the small-pox, historical memoirs of the practice in the American provinces, p. 193.

Iron, its colour when mixed with glass, &c. 22, 32. Its effect on growing vegetables, p. 36.

L.

Lavington, Dr. of Tavistock, Devon, his account of a lady, who drank sea-water for an inflammation in her upper lip, p. 6.

Lead, its colour when mixed with glass, &c. p. 17, 30.

Liefganig, Father Joseph, his astronomical observations made at Vienna, p. 136.

Lightening, see *Thunder*.

Lisbon, Earthquake there, December 26, 1764, p. 43.

Ludlam, William, his account of a balance of a new construction, supposed to be of use in the woollen manufacture, p. 205.

Lunations, a method for finding the quantity of time contained in any given number of mean lunations, and *vice versa*, p. 61.

Lungs, case of an extraneous body forced into them, p. 39. Relief by the breaking of an imposthume, 41. One lobe of them found wanting in a young woman, 79. Reflexions thereon, 81. Respiration still carried on, 82.

M.

Messier, Mr. his memoir concerning the return of the famous comet of 1682, p. 294.

Microscopes, new, made at Naples, described, p. 246.

Mildew, in corn, what it is, p. 108.

Michel, Reverend Mr. his recommendation of Hadley's quadrant for surveying harbours, p. 70.

Mineral Waters, their elastic spirit considered, p. 236. see *Spa*. Uses of a knowledge of mineral exhalations, when applied to discover the properties of mineral waters, p. 236.

Mists, how formed, p. 163.

Morton, Earl of, his account of the case of a supposed hydrophobia, p. 139.

Negro,

I N D E X.

N.

Negro, white, shewn before the Royal Society, an account of him, p. 45. His parents black, 46. More instances of such deviation in colour, 47. Wafer's account of white people on the Isthmus of America, 50.

Nervous system, some reflexions on it, p. 87.

Newton, Sir Isaac, his observation concerning the cause of colours in natural bodies, p. 10.

P.

Paitoni, John Baptist, physician at Venice, communicates an uncommon anatomical observation, p. 79.

Parsons, Dr. his account of the *Pholas Conoïdes*, p. 1. Of the white negro shewn before the Royal Society, p. 45.

Pheasant, a beautiful Chinese one described, p. 88.

Pholas Conoïdes, or wood-muscle, a description of it, p. 2. Its lodgment in the wood, p. 3.

Plants, of their sexes, p. 258. Catalogue of the fifty from Chelsea garden, presented to the Royal Society, for the year 1764, p. 91. see *Vegetables*.

Q.

Quadrant, Hadley's, recommended, p. 70. A particular application of it in some cases of pilotage, proposed and illustrated, p. 71.

R.

Rain, how produced, p. 163.

Rattle-snakes, their bite cured by salt, p. 244.

Respiration, some reflexions on it, p. 172.

Rhubarb, the true sort, description of some plants of it raised in Britain, p. 290.

Rye, of a false or vitiated kind, a disease from the eating of it described, p. 108. Method of cure, p. 123.

Salt,

I N D E X.

S.

- Salt*, a sort of it found on the Pic of Teneriffe, p. 57.
It appears to be the nitrum of the ancients, or the fossil alkali, 58. Difference between that and vegetable alkali, 59. Salt applied to the bite of a rattle-snake, 244.
- Sea-Water*, case of a young lady who had drunk it with no good effect, p. 6. Queries concerning the use of it, especially by thin, tender, and hectical constitutions, 8.
- Short*, Mr. James, communicates to Dr. Birch Mr. Dollond's letters, p. 54.
- Silver*, its colour when mixed with glass, &c. p. 18, 31.
- Snow and Hail*, how produced, p. 163.
- Solution* of bodies, observations thereon, p. 153.
- South-Sea*, what land already discovered there, and probability of more, p. 334.
- Spa-Water*, experimental enquiry into the mineral spirit contained therein, p. 218.
- Sponges*, of their nature and formation, p. 280. The worms found in them, not their fabricators, but inhabitants, 281. They have an animal action, or systole and diastole, 284. Approach to the Alcyonium, 285.
- Spry*, Dr. of Totness, his improvements of a portable barometer, p. 83.
- Stars*, their right ascensions and declinations, p. 321.
- Styles*, Sir John Eyles, his account of some new microscopes made at Naples, p. 246. His Letter concerning the sexes of plants, 258.
- Stone*, account of one voided without help from a woman's bladder, p. 128.

T.

- Telescopes*, an improvement in the object-glasses of them, by Mr. Peter Dollond, p. 55.
- Theorems*, two, by Edward Waring, M. A. Lucasian professor of mathematics at Cambridge, p. 143.
- Thunder and Lightning*, account of the effects of it in Pembroke College, Oxford, June 3, 1765, p. 273.
- Tiffot*, his letter to Dr. Baker, concerning diseases which arise from ill-affected rye, p. 108.

I N D E X.

V.

- Vegetables*, their colour whence, p. 36. Their impregnation, remarks thereupon, and a description of the pollen, seed-vessels, &c. of several classes, &c. p. 261.
- Venus*, the transit of that planet which will be in 1769, proposals for the more advantageous observing of it, p. 326. Effect of parallaxes, 332. At what places the observation might best be made, 333.
- Vienna*, astronomical observations made there, p. 130.

W.

- Waring*, Professor, two theorems of his, p. 143.
- Water*, the quantity and weight of it in a cylindrical pipe of any given diameter, ascertained, p. 68. How evaporated, 146. Boiling water, the bubbles on it whence, 175.
- Weight*, troy, reduced to avoirdupoise, and *vice versa*, p. 66.
- Wilkinson*, Dr. his course of experiments to ascertain the specific buoyancy of cork in different waters, p. 95.
- Wood-Muscle*, see *Pholas Conoides*.
- Woolcombe*, Mr. surgeon at Plymouth Dock, his case of a locked jaw, p. 85.

Z.

- Zoophytes*, see *Sponges*.